

**Laura S. Olton**  
General Counsel  
Ocean State Division

April 13, 2006

**VIA HAND DELIVERY & ELECTRONIC MAIL**

Luly E. Massaro, Commission Clerk  
Rhode Island Public Utilities Commission  
89 Jefferson Boulevard  
Warwick, RI 02888

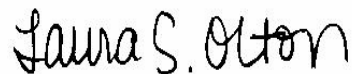
**RE: Docket 3628 – The Narragansett Electric Company’s Service Quality Plan  
Feeder Ranking Report – 1<sup>st</sup> Quarter 2006**

Dear Ms. Massaro:

Enclosed please find ten (10) copies of the Feeder Ranking Report for the first quarter of 2006, filed in accordance with the Additional Reporting Criteria, Item 1, of The Narragansett Electric Company, d/b/a National Grid, Service Quality Plan effective January 1, 2005.

Thank you for your attention to this filing. Please feel free to contact me if you have any questions at (401) 784-7667.

Very truly yours,



Laura S. Olton

Enclosures

cc: Docket 3628 Service List  
Paul Roberti, Esq.  
Steve Scialabba, Division

nationalgrid  
Ocean State Division  
Feeder Rankings  
4th Quarter: October 2005- December 2005

Feeder Ranking By Quarter  
Naragansett Electric  
Jan 2006 - Mar 2006

Rank	Feeder	Freq.	Cities/Towns Served	No. of Customers	No of Events	Average Duration	Total Customer Mins.	Causes	Corrective Actions
1	105K1	6	LINCOLN	8	6	417.00	3336	Feeder Lockout - Vehicle Pole Accident	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
								Feeder Lockout - Substation Equipment Related	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
								Feeder Lockout - Vehicle Pole Accident	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
								Feeder Lockout - Unknown Cause	Feeder was patrolled and no cause was found
								Feeder Lockout - Unknown Cause	Feeder was patrolled and no cause was found
								Feeder Lockout - Company Construction	Conductors were Repaired and Circuit Was Restored to Normal Operation
2	20F2	3.01	EAST PROVIDENCE	1959	5	216.86	424833	Primary Wire Down - Tree Condition	Removed Tree from Primaries and the Circuit Was Restored to Normal Operation
								Feeder Lockout - Deteriorated Equipment	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
								Fuse Link Failure - Flying Debris	Transformer Fuse Replaced
								Substation Equipment Lockout - Animal	Equipment Was Tested and Circuit Was Restored to Normal Operation
								Planned Outage - Equipment Maintenance	Equipment Was Restored to Normal Operation Following Planned Work
3	102W54	3.00	CUMBERLAND	2180	6	246.47	537304	Substation Equipment Failure	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
								Feeder Lockout - Tree Related	Removed Tree from Primaries and the Circuit Was Restored to Normal Operation
								Feeder Lockout - Tree Related	Removed Tree from Primaries and the Circuit Was Restored to Normal Operation
								Feeder Lockout - Tree Related	Removed Tree from Primaries and the Circuit Was Restored to Normal Operation
								Fuse Link Failure - Weather	Transformer Fuse Replaced
								Fuse Link Failure - Deterioration	Replaced and re-fused deteriorated cutout.
4	102W51	2.04	CENTRAL FALLS LINCOLN PAWTUCKET CUMBERLAND	3385	4	159.23	538978	Substation Equipment Failure	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
								Fuse Link Failure - Weather	Transformer Fuse Reset
								Pole Top Recloser Lockout - Tree Limb	Removed Tree Limb from Primaries and Restored Circuit to Normal
								Fuse Link Failure - Unknown Cause	Circuit was Patrolled - No Cause Found - Refused Line Cutout
5	102K22	2.00	CUMBERLAND	9	2	178.00	1602	Substation Equipment Failure	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
								Feeder Lockout - Loss of Supply - Tree Condition	Removed Tree from Primaries of Supply Circuit and the Circuit Was Restored to Normal Operation
6	49J1	2.00	WEST WARWICK COVENTRY	619	2	207.10	128196	Feeder Lockout - Vehicle Pole Accident	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
								Feeder Lockout - Company Construction	Conductors were Repaired and Circuit Was Restored to Normal Operation
7	45F2	1.55	GLOUCESTER SCITUATE SMITHFIELD	1164	8	132.21	153896	Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Feeder Lockout - Tree Related	Removed Tree from Primaries and the Circuit Was Restored to Normal Operation
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Weather	Transformer Fuse Replaced
								Fuse Link Failure - Weather	Line Fuse Replaced
								Planned Outage - Equipment Maintenance	Equipment Was Restored to Normal Operation Following Planned Work
								Fuse Link Failure - Tree Condition	Transformer Fuse Replaced
8	27F1	1.48	WARWICK CRANSTON	2283	4	81.85	186867	Fuse Link Failure - Tree Condition	Line Fuses Replaced
								Feeder Lockout - Equipment Failure	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
								Fuse Link Failure - Animal	Transformer Fuse Replaced
								Pole Top Recloser Lockout - Equipment Failure	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
9	61F1	1.42	EAST GREENWICH	273	2	117.25	32008	Feeder Lockout - Loss of Supply - Tree Condition	Removed Tree from Primaries of Supply Circuit and the Circuit Was Restored to Normal Operation
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
10	54F1	1.39	COVENTRY SCITUATE	3020	26	194.81	588331	Feeder Lockout - Vehicle Pole Accident	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
								Fuse Link Failure - Tree Condition	Line Fuses Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Tree Condition	Line Fuses Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Equipment Failure	Repaired Damaged Equipment and Transformer Fuse Replaced
								Fuse Link Failure - Equipment Failure	Repaired Damaged Equipment and Transformer Fuse Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Tree Condition	Line Fuses Replaced
								Pole Top Recloser Lockout - Tree Condition	Removed Tree from Primaries and Restored Circuit to Normal
								Fuse Link Failure - Tree Condition	Line Fuse Replaced

nationalgrid  
Ocean State Division  
Feeder Rankings  
4th Quarter: October 2005- December 2005

Rank	Feeder	Freq.	Cities/Towns Served	No. of Customers	No of Events	Average Duration	Total Customer Mins.	Causes	Corrective Actions
								Fuse Link Failure - Tree Condition	Line Fuses Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Tree Condition	Transformer Fuse Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Tree Condition	Transformer Fuse Replaced
								Fuse Link Failure - Tree Condition	Transformer Fuse Replaced
								Fuse Link Failure - Tree Condition	Transformer Fuse Replaced
								Fuse Link Failure - Animal	Transformer Fuse Replaced
								Fuse Link Failure - Equipment Failure	Repaired Damaged Equipment and Line Fuse Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Equipment Failure	Repaired Damaged Equipment and Transformer Fuse Replaced
								Fuse Link Failure - Unknown Cause	Circuit was Patrolled - No Cause Found - Refused Line Cutout
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Equipment Failure	Repaired Damaged Equipment and Transformer Fuse Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
11	102W44	1.37	LINCOLN CUMBERLAND	1678	2	101.42	170191	Substation Equipment Failure	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
12	102W52	1.32	CENTRAL FALLS	678	2	87.93	59619	Pole Top Recloser Lockout - Tree Condition	Removed Tree from Primaries and Restored Circuit to Normal
13	127W42	1.25	CUMBERLAND NORTH SMITHFIELD	518	2	50.33	26072	Substation Equipment Failure	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
								Planned Switching - Improper Contact	Closed switch and checked for proper seating.
								Feeder Lockout - Tree Related	Removed Tree from Primaries and the Circuit Was Restored to Normal Operation
14	34F2	1.23	GLOCESTER FOSTER SCITUATE	2312	18	87.73	202841	Planned Switching - Improper Contact	Closed switch and checked for proper seating.
								Feeder Lockout - Tree Related	Removed Tree from Primaries and the Circuit Was Restored to Normal Operation
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Tree Condition	Line Fuses Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Tree Condition	Transformer Fuse Replaced
								Fuse Link Failure - Tree Condition	Transformer Fuse Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Equipment Failure	Repaired Damaged Equipment and Line Fuse Replaced
								Fuse Link Failure - Equipment Damage	Repaired Damaged Equipment and Line Fuse Replaced
								Fuse Link Failure - Tree Condition	Transformer Fuse Replaced
								Fuse Link Failure - Weather	Line Fuse Replaced
								Fuse Link Failure - Weather	Transformer Fuse Replaced
								Fuse Link Failure - Weather	Line Fuse Replaced
								Fuse Link Failure - Weather	Transformer Fuse Replaced
								Fuse Link Failure - Tree Condition	Line Fuse Replaced
								Fuse Link Failure - Deterioration	Line Fuse Replaced
								Fuse Link Failure - Unknown Cause	Circuit was Patrolled - No Cause Found - Refused Line Cutout
								Fuse Link Failure - Deterioration	Transformer Fuse Replaced
15	154J4	1.20	NEWPORT	76	2	309.58	23528	Feeder Lockout - Cable Insulation Failure	Repaired Cable and Restored Circuit to Normal Operation
16	51J12	1.08	NEWPORT	228	1	49.83	11362	Feeder Lockout - Cable Insulation Failure	Repaired Cable and Restored Circuit to Normal Operation
17	30J3	1.08	PAWTUCKET	842	6	102.15	86007	Pole Top Recloser Lockout - Cable Insulation Failure	Repaired Cable and Restored Circuit to Normal Operation
								Substation Equipment Failure	Damaged Equipment Was Repaired and Circuit Was Restored to Normal Operation
								Planned Outage - Equipment Maintenance	Equipment Was Restored to Normal Operation Following Planned Work
								Planned Outage - Equipment Maintenance	Equipment Was Restored to Normal Operation Following Planned Work
								Planned Outage - Equipment Maintenance	Equipment Was Restored to Normal Operation Following Planned Work
								Planned Outage - Equipment Maintenance	Equipment Was Restored to Normal Operation Following Planned Work
								Planned Outage - Equipment Maintenance	Equipment Was Restored to Normal Operation Following Planned Work
18	50J3	1.04	NORTH PROVIDENCE	1013	3	28.20	28568	Feeder Lockout - Company Construction	Conductors were Repaired and Circuit Was Restored to Normal Operation
								Fuse Link Failure - Weather	Line Fuse Replaced
								Planned Outage - Equipment Maintenance	Equipment Was Restored to Normal Operation Following Planned Work

The Total No. Of Customers Served Will Vary Throughout The Year Due to New Activations, Terminations Of Service Or Rearrangements of the Company's Distribution System  
**FREQUENCY**=(Total No. Of Cust's Interrupted) / (Total No. Of Cust's Served By Feeder)  
**TOTAL CUSTOMER MINUTES (CMI)**=Sum Of (((Number Of Customers Interrupted) X (Duration Of Interruption)) For Each Event)

### Certificate of Service

I hereby certify that a copy of the cover letter and / or any materials accompanying this certificate has been mailed or hand-delivered to the parties listed below.



\_\_\_\_\_  
Joanne M. Scanlon

April 13, 2006  
Date

#### **Narragansett Electric Company – Service Quality Plan Docket 3628 - Service List**

<b>Name</b>	<b>E-mail Distribution List</b>	<b>Phone/FAX</b>
Laura Olton, Esq. National Grid 280 Melrose Street Providence RI 02907-1438	<a href="mailto:Laura.olton@us.ngrid.com">Laura.olton@us.ngrid.com</a>	401-784-7667 401-784-4321
	<a href="mailto:Joanne.scanlon@us.ngrid.com">Joanne.scanlon@us.ngrid.com</a>	
Leo Wold, Esq. Dept. of Attorney General 150 South Main St. Providence RI 02903	<a href="mailto:Proberti@riag.state.ri.us">Proberti@riag.state.ri.us</a>	401-222-2424 ext. 2299 401-222-3016
	<a href="mailto:Steve.scialabba@ripuc.state.ri.us">Steve.scialabba@ripuc.state.ri.us</a>	
	<a href="mailto:David.stearns@ripuc.state.ri.us">David.stearns@ripuc.state.ri.us</a>	
	<a href="mailto:Al.contente@ripuc.state.ri.us">Al.contente@ripuc.state.ri.us</a>	
John Stutz Tellus Institute 11 Arlington St. Boston MA 02116-3411	<a href="mailto:Jstutz@tellus.org">Jstutz@tellus.org</a>	
W. Mark Russo, Esq.	<a href="mailto:mrusso@frlawri.com">mrusso@frlawri.com</a>	
<b>Original &amp; nine (9) copies file w/:</b> Luly E. Massaro, Commission Clerk Public Utilities Commission 89 Jefferson Boulevard Warwick RI 02888	<a href="mailto:Lmassaro@puc.state.ri.us">Lmassaro@puc.state.ri.us</a>	401-941-4500
	<a href="mailto:Sfrias@puc.state.ri.us">Sfrias@puc.state.ri.us</a>	
	<a href="mailto:Tmassaro@puc.state.ri.us">Tmassaro@puc.state.ri.us</a>	
W. Mark Russo, Esq.	<a href="mailto:mrusso@frlawri.com">mrusso@frlawri.com</a>	

cc: Steve Scialabba, RI Division